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PATENT Attorney Docket No. MIT-168

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Tuller et al.

SERIAL NO.:

10/646,098

**GROUP NO.:** 

2874

FILING DATE:

August 22, 2003

**EXAMINER:** 

M.R. Connelly Cushwa

TITLE:

STABILIZED TITANATE THIN FILM STRUCTURES

## CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 14<sup>th</sup> day of April, 2005.

Wendy Martin

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

#### Submitted herewith are:

- 1. Transmittal Form (1 pg.);
- 2. Response to Election Requirement (2 pgs.); and
- 3. Return receipt postcard

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	- GIPA	_					
	6	Application Serial Number			10/646,098		
	APR 1 8 2005	Filing Date			August 22, 2003		
	APR 1 8 2005	First Named Inventor			Tuller		
	TRANSMIT	Group Art Unit			2874		
TRANSMITTAL			Examiner Name			M.R. Connelly Cushwa	
	FORM		Attorney Docket No.			MIT-168	
			Patent No.		T	Not applicable	
			Issue Date			Not applicable	
ENCLOSURES (check all that apply)							
□ F	ee Transmittal Form		Copy of Notice	e to File Missing			
	☐ Check Attached☐ Copy of Fee Transmittal Form		Parts of Applic			of Patent Appeals and Interferences  Appeal Brief (in triplicate)	
$\boxtimes$	Response to Election Requirement Preliminary		Request For C Examination (I Transmittal		Е	. ,	
	☐ After Final ☐ Affidavits/declaration(s) ☐ Letter to Official ☐ Draftsperson		Power of Attor (Revocation of	rney f Prior Powers)	\Sigma	·	
	including Drawings [Total Sheets]		Terminal Disc	laimer		Certificate of Facsimile Transmission under 37 C.F.R. 1.8	
	Petition for Extension of Time		Executed Declaration and Power of Attorney for Utility or Design Patent Application			Additional Enclosure(s) (please identify below)	
	Information Disclosure Statement		Small Entity Statement				
	Form PTO-1449 Copies of IDS Citations		CD(s) for large	e table or computer			
	Certified Copy of Priority		Amendment After Allowance  Request for Certificate of  Correction  Certificate of Correction (in duplicate)				
	Document(s)  Sequence Listing submission Paper Copy/CD Computer Readable Copy Statement verifying identity of above						
CORRESPONDENCE ADDRESS				SIGNATURE BLOCK			
Direct all correspondence to:  Patent Administrator Goodwin Procter LLP Exchange Place Boston, MA 02109 Tel. No.: (617) 570-1000 Fax No.: (617) 523-1231 Customer No. 051414			1000 1231	Respectfully submitted,  Date: Aril 17 2007  Reg. No. 44,381 Tel. No.: (617) 570-1806 Fax·No.: (617) 523-1231  Respectfully submitted,  Natasha C. Us  Attorney for Applicant(s)  Goodwin Procter LLP  Exchange Place  Boston, MA 02109			

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### RESPONSE TO ELECTION REQUIREMENT

This paper responds to the Election Requirement mailed from the U.S. Patent and Trademark Office on March 15, 2005, in connection with the above-identified patent application.

### **REMARKS**

The Examiner requires the election of a single disclosed species for prosecution on the merits, to which the claims shall be restricted if no generic claim is held to be allowable. The Examiner has indicated that the elected species should include one element from each of the following groups A through C:

- A. Stabilized barium titanate comprises:
  - A-1.  $Zr(BaZrO_3)$
  - A-2.  $Hf(BaHfO_3)$
  - A-3. KNbO<sub>3</sub>
  - A-4.  $Sn(BaSnO_3)$
- B. Optical structure
  - B-1. with a buffer layer
  - B-2. without a buffer layer